E974

ASUS®

High-Speed CD-ROM Drive

ATAPI / Enhanced IDE Interface

With **Quick Installation Guides** in 12 different languages

CE

FEDERAL COMMUNICATION COMMISSION FC U.S.A.

USER'S MANUAL

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Product Name:	**ASUS CD-ROM Drive**
Manual Revision:	**1.01 E974**
Release Date:	**March 2002**

FCC & DOC COMPLIANCE

Federal Communications Commission Statement

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING! Any changes or modifications to this product not expressly approved by the manufacturer could vold any assurances of safety or performance and could result in violation of Part 15 of the FCC Rules.

Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

SAFETY WARNINGS

ASUS CD-ROM Drive Safety Warnings

CLASS I LASER PRODUCT

APPAREIL A LASER DE CLASSE 1

KLASSE 1 LASER APPARAT

LUOKAN 1 LASERLAITE

PRODUIT LASER CATEGORIE 1

CAUTION INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.

ADVARSEL LASERSTRÅLING VED ÅBNING SE IKKE IND I STRÅLEN.

ADVARSEL LASERSTRÅLING NÅR DEKSEL ÅPNES. STIRR IKKE INN I STRÅLEN.

VARNING LASERSTRÅLNING NÅR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN.

VARO! AVATTAESSA OLET ALTTIINA LASERSÄTEILYLLE.

VARNING LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. ÄLÄ TUIJOTA SÄTEESEEN. STIRRA EJ IN I STRÅLEN.

VORSICHT UNSICHTBARE LASERSTRAHLUNG WENN GEÖFFNET. NICT IN DEN STRAHL SEHEN.

ATTENTION RADIATION DU FAISCEAU LASER INVISIBLE EN CAS D'OUVERTURE. EVITER TOUTE EXPOSITION AU FAISCEAU.

CAUTION USE OF ANY CONTROLS OR ADJUSTMENTS OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. TO PREVENT EXPOSURE TO LASER EMANATIONS (HARMFUL TO HUMAN EYES), **DO NOT** ATTEMPT TO DISASSEMBLE THIS UNIT.

Introduction

Thank you for choosing ASUS High-Speed CD-ROM Drive. The CD-ROM Drive adds multimedia capabilities, such as sound and video, into your system. With it, you can take advantage of the thousands of CD titles available today for your entertainment, education, and productivity.

ASUS CD-ROM Drive implements ASUS patented suspension design -"DDSS II" - Double Dynamic Suspension System and successfully minimizes vibration caused by spindle motor and resonance between components as well as the drive and PC cases DDSS II assures ASUS CD-ROM Drive to provide highest performance, best stability and all the features beyond your expectation.

Another feature of the ASUS CD-ROM Drive is that it is connected by means of the IDE connector of your computer. This connector is usually used to install the hard disk to your computer. By using the IDE connection, you avoid the need to use an interface card.

The User's Manual explains how to install the CD-ROM Drive and the software to use your new drive. You may find it quick and easy to install the drive with Quick Installation Guide in your familiar language attached in this manual if you follow the instructions carefully. You will also learn from this manual how to use your CD-ROM Drive and solve problems you might encounter.

Item Checklist

The package should contain the following items along with the drive. Check to see if you have all these items. If you discover damaged or missing items, contact your retailer.

- ☑ (1) ASUS CD-ROM Drive
- ☑ (1) CD Audio Cable
- ☑ (1) Mounting Screw Package
- ☑ (1) Installation Disk
  - CD-ROM Driver
  - Installation Utility
  - Read Me files for Descriptions and Use of the Files
- ☑ (1) User's Manual and Quick Installation Guide in 11 different languages
- ☑ (1) Emergency Eject Pin

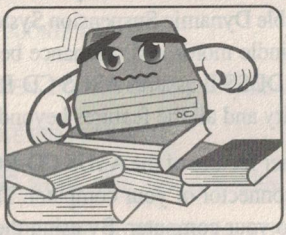
NOTE: The above items are available in retail boxes only.

Safety Information

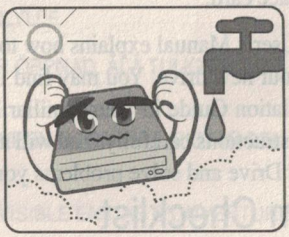
Observe the following precautions before installing and using the ASUS High-Speed CD-ROM Drive!

Installation Notices

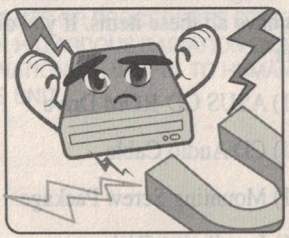
Do not place this device in an unstable position, or in one that vibrates.



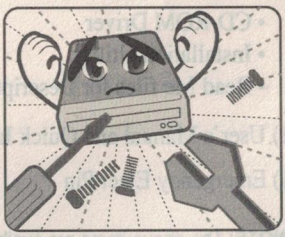
Do not place this device in areas where there is direct sunlight, high humidity, or damp condition.



Do not use or place this device near magnetic fields, televisions, or radios, where there is interference that may affect the performance of the drive.



Do not attempt to disassemble or repair the drive. Opening the drive may result to exposure to laser radiation.



Safety Information

SAFETY WARNINGS

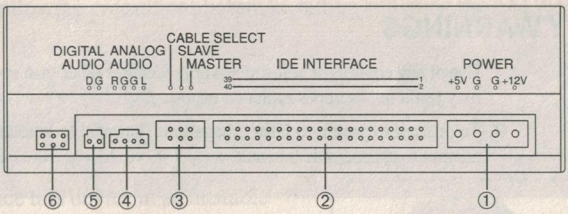
CAUTION

1. Use of any controls or adjustments or procedures other than specified herein may result in hazardous radiation exposure.
2. To prevent exposure to laser emanations (harmful to human eye), do not attempt to disassemble this unit.

Using the Device

- **Do not place damaged or warped discs inside the device. A warped disc may break while in use and damage the device, or cause body injury.**
- Do not move the device from a cold to a warm or hot environment. Drastic change of temperature is harmful to the device.
- Before moving or uninstalling the drive, remove a disc from it, if any.
- Prevent liquids or any metal to get into the device. If this situation occurs, contact your retailer for help.
- Do not use any evaporating solvents to clean the device. If you accidentally sprayed any solvent on the device, use a clean cloth to wipe it. You may also use a neutral cleaner to dilute the solvent to easily wipe it from the device.
- Try not to interrupt the supply of power while the device is in reading or writing mode.
- Do not place discs into the device immediately if they came from a cold environment, specially during cold seasons. Wait until the discs have reached room temperature.

Rear Panel Features



D: Digital; G: Ground; R: Right audio channel; L: Left audio channel

NOTE: The pin settings or definitions of the connectors and jumpers are also engraved on the Rear Panel of your CD-ROM Drive.

① **Power Supply connector** connects to the computer's power supply.

② **IDE Interface connector** connects to a 40-pin IDE interface cable. Make sure that the red stripe on the cable is oriented with Pin 1 of the CD-ROM Drive's IDE Interface connector.

③ **Device configuration jumper** allows you to set your CD-ROM Drive as the Master or Slave drive. The default setting is Slave, wherein the jumper is on "SLAVE". "CABLE SELECT" is reserved and should not be used.

④ **Analog Audio line out connector** has two channels, right ("R") and left ("L") audio outputs, and allows you to direct audio output from your CD-ROM Drive to your sound card, if available, when connected using a CD audio cable. "G" is for Ground.

NOTES: (1) If the pin definitions on your sound card are not the same as that on your CD-ROM Drive, check with your dealer for a compatible cable; (2) If you do not have a sound card, plug earphones, headphones, or powered/self-amplified speakers to the headphones Jack on your CD-ROM's front panel (see **Front Panel Controls**). Set the volume controls of your drive and powered/self-amplified speakers to minimum before starting or restarting your computer. This is to prevent possible damage to the earphones, headphones, or speakers.

⑤ **Digital Audio output connector** offers high quality audio effect by outputting digital signal to a D/A converter or for recording to a digital audio tape (DAT) or professional audio recording system. The connector follows the EBU-IEC958 standard set by the European Broadcast Union.

⑥ **Testing jumpers** are reserved for manufacturer's internal testing/diagnostic purposes.

Installing Your CD-ROM Drive

Before installing your CD-ROM Drive into your computer (*see* Quick Installation Guide for instructions on installing your CD-ROM Drive), set your drive as either the Master or Slave (default) drive by placing the jumper cap on the desired jumper ③.

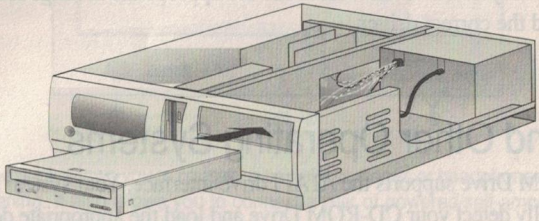
Slave Drive (Default)

Master Drive

NOTE: If your computer only allows you to connect a maximum of two devices and you have two hard disks, remove the Slave hard disk—you need the other IDE connector for your CD-ROM Drive. If you only have one hard disk, set your CD-ROM Drive as Slave. If your computer has two IDE connectors and two hard disks installed, either set your CD-ROM Drive as Master on the secondary IDE connector or remove the Slave hard disk and replace it with your CD-ROM Drive. Refer to your computer's manual for your system's configuration and instructions on hardware installation.

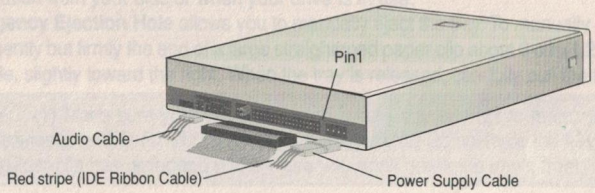
Inserting Your CD-ROM Drive into Your Computer

Insert the CD-ROM Drive into one of the free 5.25-inch bays available for disk drives.



NOTE: Do not slide the drive completely into the vacant drive bay. Leave some space at the rear so that it will be easier for you to connect cables to your drive.

Connecting Cables to the CD-ROM Drive



1. Connect an unused power supply cable to the back ① of your CD-ROM Drive.
2. Connect the 40-pin IDE ribbon cable to the back ② of your CD-ROM Drive.

NOTE: Orient the red stripe on the cable with Pin 1 of the CD-ROM Drive's IDE Interface connector.

3. If you have a sound card, connect the 4-pin CD audio cable to the CD-ROM Drive's *Analog Audio line out* connector 4. Otherwise, proceed to the next step.

NOTE: If the pin definitions on your sound card are not the same as that (see preceding section) on your CD-ROM Drive, check with your dealer for a compatible cable.

4. If you do not have a sound card, plug earphones, headphones, or powered/self-amplified speakers to the Headphone Jack on your CD-ROM's front panel (see CD-ROM DRIVE OPERATION). Set the volume controls of your drive and powered/self-amplified speakers to minimum before starting or restarting your computer. This will prevent possible damage to the earphones, headphones, or speakers.

NOTE: The **Headphone Jack** is used solely for headphones.

Windows 9x, Windows NT/2000/XP

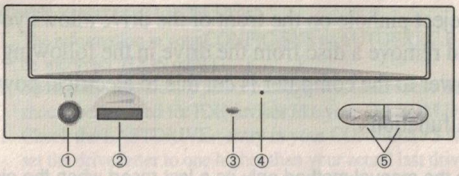
If your CD-ROM Drive is already installed, Windows 9x or Windows NT/2000/XP will automatically detect it and determine the appropriate settings for the drive and install or load the correct driver.

OS/2 and Other Operating Systems

Your CD-ROM Drive supports the ATAPI drive interface. Your system should be able to automatically detect your CD-ROM Drive and load the appropriate device driver.

III. CD-ROM DRIVE OPERATION

Front Panel Controls



① **Headphone Jack** allows you to connect a pair of earphones or headphones to the drive for private listening. It also allows you to connect a pair of powered/self-amplified speakers. Just plug them into the headphones Jack.

NOTE: The **headphones Jack** can only be used to listen to audio CD discs.

② **Volume Control** allows you to adjust the volume of your earphones, headphones or powered/self-amplified speakers connected to the headphones Jack. This control has no effect on the audio output from devices (such as speakers) connected to your sound card.

③ **Disc Indicator** lights up when there is a disc inside your CD-ROM Drive, otherwise this indicator will not light. This indicator flashes whenever your CD-ROM Drive is busy reading information from your disc or when your drive is in use.

④ **Emergency Ejection Hole** allows you to manually eject the tray. To manually eject the tray, push gently but firmly the end of a large straightened paper clip about 3 cm (1.25 inches) into the hole, slightly toward the right. When the tray is released, carefully pull the tray open.

WARNING! (1) Make sure your computer is off before you attempt to manually eject the tray. Otherwise, your CD-ROM Drive may be damaged. (2) Do not force the tray open; wait until the paper clip has dislodged it to be sure you don't break the tray's front.

⑤ **Select Buttons** allows you to manually control your audio discs without having to run any software program.

Open/Close/Stop Button

The right button has three states: OPEN, CLOSE, and STOP. If tray is closed, pressing this button will OPEN or eject it. If tray is out, pressing this button will CLOSE it. If the drive is playing, pressing this button will momentarily STOP or pause CD playback.

Play/Skip Button |

The left button has two states: PLAY track and SKIP track. If the drive is idle, pressing this button will start PLAYing audio CD discs from the first track on. If the drive has been momentarily STOPped or paused, pressing this button will resume CD playback or rePLAY the audio discs. If the drive is playing, pressing momentarily this button will SKIP to the next track of an audio CD disc.

Emergency Eject

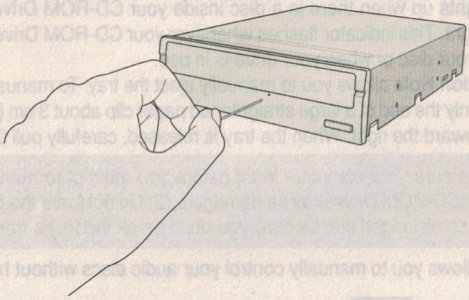
The emergency eject pinhole on the front of the drive allows you to manually eject the drive tray and remove a disc from the drive in the following instances:

- supply of power to the computer is cut due to electrical power outage
- the drive malfunctions

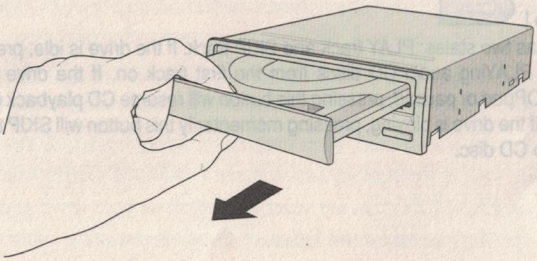
CAUTION! Use the manual method only as a last resort when the eject button does not work. Make sure that you have turned off your computer before ejecting the drive tray.

Follow these steps to eject the drive tray using the emergency pinhole.

1. Insert the eject pin that came with the drive package. You may also use a paper clip or any pointed rod small enough to fit into the emergency pinhole.



2. Carefully pull the tray out and remove the CD.



CAUTION! Do not force the tray open; wait until the eject pin has dislodged the tray to avoid breaking the tray panel.

IV. TROUBLESHOOTING

General Problems

PROBLEM Unable to access CD-ROM Drive.

CAUSES

1. The information in your CONFIG.SYS or AUTOEXEC.BAT or both files might be incorrect. (DOS only.)
2. Some BIOS that include power management features use IRQ14 or IRQ 15, which should be reserved for IDE devices like your CD-ROM Drive. (DOS only.)

SOLUTIONS

1. Check the LASTDRIVE= entry in your CONFIG.SYS file. You might have to set the drive letter to one higher than your actual last drive letter. For example, if the last drive on your system is drive D, try setting the parameter in the CONFIG.SYS file to LASTDRIVE=E. (DOS only.)
   - Your CD-ROM Drive requires the drivers, MSCDEX.EXE and IDECD.SYS, to access the drive. Check your AUTOEXEC.BAT file for the statement C:\DOS\MSCDEX.EXE /D:IDECD01 and CONFIG.SYS file for the statement DEVICE=C:\ASUS_CD\ IDECD.SYS /D:IDECD01 (see **II. Software Installation** for more information). (DOS only.)
2. Change the IRQ setting of the device that is using IRQ 14 or IRQ 15, for example, sound card or motherboard. Refer to the card or motherboard documentation for more information. (DOS only.)

PROBLEM Cannot detect the CD-ROM Drive (Windows 9x or Windows NT).

CAUSE There are times when Windows cannot detect a new hardware.

SOLUTION Install the drivers manually.

- Start the **Add New Hardware** wizard by double-clicking **My Computer** | **Control Panel** | **Add New Hardware** and then follow the instructions on your screen.

NOTE: Let Windows detect your CD-ROM Drive. Make sure you have installed and connected your CD-ROM Drive in your computer before running the wizard.

PROBLEM No sound from speakers.

CAUSES

1. Audio cable or speakers are not connected properly.
2. The volume is not adjusted to an audible level.
3. The drive may be faulty.
4. The card may be faulty.

SOLUTIONS

1. Check that the CD audio cable is connected to the Analog Audio line out connector on the drive and sound card. Check also that the pin definitions of your CD-ROM Drive and sound card are the same. If not, check with your dealer for a compatible audio cable or ask a qualified technician to adjust the cables to match your CD-ROM Drive's pin definitions. Also, check that the speakers are connected to the correct jack on the sound card.
2. Make sure the volume control is turned up to an audible range.
3. Connect earphones or headphones to the headphones Jack. If there is no sound from your earphones or headphones, consult your dealer about your faulty drive.
4. Connect earphones or headphones to the sound card's headphones Jack. If there is no sound from your earphones or headphones, check to see the audio cable is connected from the drive to the sound card (refer to your sound card manual for more information). If the audio cable is connected and there is still no sound from your earphones or headphones, consult your dealer about your faulty card.

PROBLEM Cannot achieve the maximum data transfer rate performance specified for the CD-ROM Drive.

CAUSES

1. If you are using a benchmarking utility, it may be old.
2. The disc is not full.
3. Given the signal quality issues with PIO Mode 4 transfer rates in some systems and such variables as error correction, caching, processor overhead, and rotational speed, higher transfer rates may not be achievable with the default transfer mode. Thus transfer rates may be lower.
4. The disc you are playing may not be in a CD-ROM or CD-ROM format.

SOLUTIONS

1. Upgrade your benchmarking utility to one that supports tests on the outer tracks of your drive. Your CD-ROM Drive uses Constant Angular Velocity (CAV) technology, wherein the spindle motor is running at the same velocity, while the drive is accessing data at the inner or outer tracks. In this way, the drive will achieve lower data transfer rates at the inner tracks and higher transfer rates at the outer tracks. Thus using some or older benchmarking utilities, such as WinBench 96, will give lower data transfer rates because these utilities use the drive's inner tracks for its performance tests.
2. A disc will occupy only the inner tracks when it is not full. Thus, because of the way your CD-ROM Drive accesses data (*see* preceding explanation on CAV technology), the drive will achieve lower data transfer rates. Use a full disc if possible to get the maximum transfer rate from your drive.
3. Change the transfer mode of your CD-ROM Drive to Multi-word or Ultra DMA Mode to maximize its capability.
   - For DOS, *see* **Transfer Mode** under **II. Software Installation** for more information.
   - For Windows 95 or Windows NT, Bus Master driver must be installed. Unless your computer dealer installed the driver when you bought it or your motherboard supports Bus Master mode, Windows will not use bus mastering for your CD-ROM Drive.
     - Double-click **My Computer | Control Panel | System | Device Manager | CD-ROM controllers**. If you are using bus master, PCI Bus Master will be displayed. If not and your motherboard has the new PCI controller chipsets from Intel, for example, the 440BX, but does not have a CMOS setting for Bus Master mode, you may have to get the driver from Intel. Check with your dealer for more information.
   - If you do not have Bus Master driver under Windows 9x, double-click **My Computer | Control Panel | System | Device Manager | CD-ROM**, right-click **ASUS CD-Sxxx** and then click **Properties | Settings.** Under **Options** of the **Settings** tab, click **DMA** to enable DMA Mode.
4. Your CD-ROM drive reads data at different speeds depending on the disc format. Your CD-ROM drive performs at its best when it is reading a CD-ROM or CD-ROM format disc. With other formats, such as Audio CD or Video CD, data transfer rate performance may be slower than the maximum rate performance specified.

PROBLEM Cannot display the directory on an audio CD disc with the DIR command.

CAUSE The DIR command does not work with audio CD discs while in DOS. You can use the command, however, to display the directory on a data CD.

NOTE: You can use the DIR command to display the directory on an audio disc while in Windows using the command prompt or MS-DOS Prompt. Refer to your Windows manual on how to find the command prompt.

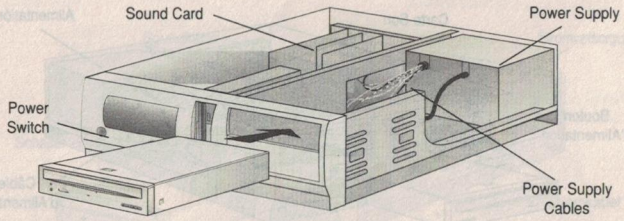
QUICK INSTALLATION GUIDE

I. Hardware Installation

1. Turn off your computer and peripheral devices, such as your printer.
2. Ground yourself by using a wrist strap. If you do not have one, touch both of your hands to a safely grounded object or to a metal object on your system.
3. Remove the cover from your computer.
4. Set your drive as either the Master or Slave (default) drive by placing the jumper cap on the desired jumper.
5. Insert the CD-ROM Drive into one of the free 5.25-inch bays available for disk drives.
6. Connect an unused power supply cable to the back of your CD-ROM Drive.
7. Connect the 40-pin IDE ribbon cable to the back of your CD-ROM Drive. Make sure that the red stripe on the cable is aligned to Pin 1 of the IDE connector.
8. If you have a sound card, connect the 4-pin CD audio cable to the CD-ROM Drive's *Analog Audio line out* connector. If you do not have a sound card, plug earphones, headphones, or powered/self-amplified speakers to the Headphones Jack on your CD-ROM's front panel. Set the volume controls of your drive and powered/self-amplified speakers to minimum before starting or restarting your computer.
9. If you removed any drive or other items other than your CD-ROM Drive, put them back into place and secure them to your computer.
10. Slide your CD-ROM Drive now into place and fasten it to your system with the screws provided.
11. Replace the cover on your computer and secure it with the screws you removed earlier.
12. Reconnect the power supply.

II. Software Installation

1. For DOS/Windows 3.x, insert the CD-ROM Driver for DOS/Win 3.x Installation disk into either drive A or drive B, type **A: install** (or **B: install**) and then press [Enter], choose your preferred setup option and then follow the instructions on the screen, and then restart your computer after installation is complete.
2. For Windows 9x or Windows NT, Windows will automatically detect and determine the current settings for your drive and install the correct driver.
3. For other operating systems, your CD-ROM Drive supports the ATAPI drive interface and your system should be able to load the appropriate driver for your drive.



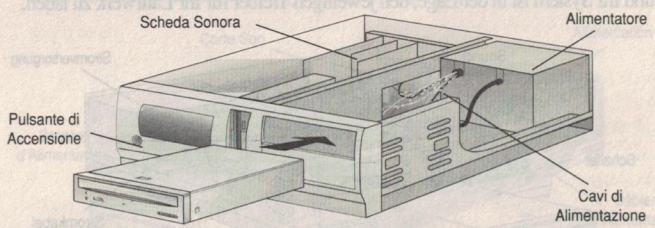
GUIDA PER UNA INSTALLAZIONE VELOCE

I. Installazione Hardware

1. Spegnete il computer e i dispositivi periferici, quali la stampante.
2. Collegatevi alla massa con un bracciale anti statico. Se non ne avete uno, toccate con entrambe le mani una superficie collegata a terra o una parte metallica del vostro sistema.
3. Aprite il cabinato.
4. Configurate il CD-ROM drive come master o come slave (default) spostando il jumper nella posizione adeguata.
5. Inserite il CD-ROM drive in un vano da 5,25" libero.
6. Alimentate il CD-ROM con un cavo di alimentazione non utilizzato.
7. Connettete il cavo IDE da 40 poli al connettore IDE del CD-ROM. Assicuratevi che il lato con la striscia rossa sia allineato al pin 1 del connettore IDE.
8. Se avete una scheda sonora connettete il cavo audio a 4 pin al connettore *Analog Audio line out* del CD-ROM. Se non avete una scheda sonora inserite una cuffia o delle casse acustiche all'uscita per cuffie sul pannello frontale del CD-ROM. Impostate il controllo del volume del drive e delle casse acustiche al minimo prima di avviare il computer.
9. Se avete rimosso altri dispositivi per installare il CD-ROM drive rimetteteli al posto e fissateli al computer.
10. Fissate nella giusta posizione il CD-ROM tramite le viti fornite.
11. Richiudete il computer.
12. Riconnettete il cavo di alimentazione.

II. Installazione Software

1. Per i sistemi operativi DOS/Windows 3.x, inserite il dischetto con il driver per DOS/Win 3.x nel drive A o drive B, digitate **A: install** (o **B: install**) e premete [Invio], scegliete le opzioni di setup preferite e seguite le istruzioni a schermo. Al termine dell'installazione riavviate il computer.
2. Per Windows 9x o Windows NT, Windows rileverà automaticamente il vostro drive e installerà il driver corretto.
3. Per altri sistemi operativi il drive CD-ROM supporta l'interfaccia ATAPI e il vostro sistema dovrebbe essere in grado di caricare il driver appropriato.



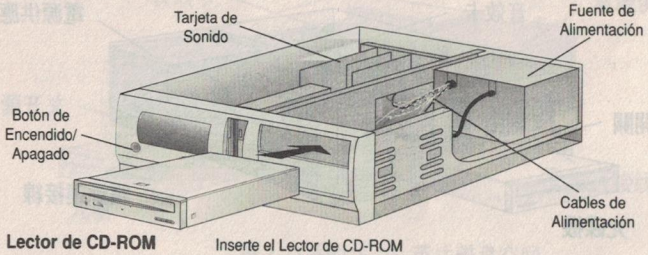
GUÍA DE INSTALACIÓN RÁPIDA

I. Instalación de la Unidad

1. Apague su equipo y los periféricos conectados a él, como, por ejemplo, la impresora.
2. Utilice una muñeca antiestática para evitar dañar el equipo. Si no dispone de una, ponga en contacto ambas manos con un objeto con toma de tierra o con un objeto metálico de su sistema.
3. Retire la cubierta de su ordenador.
4. Configure su unidad como Principal o Subordinada -por defecto- (maestro o esclavo) conectando la salida del cable al conector que desee.
5. Inserte la unidad del CD-ROM en una de las bahías de 5.25" libres para unidades de disco.
6. Conecte un cable de alimentación libre en la parte trasera del lector de CD-ROM.
7. Conecte el cable plano IDE de 40 pines en la parte posterior de su unidad de CD-ROM. Asegúrese de que la franja roja del cable esté alineada con el pin 1 del conector IDE.
8. Si posee usted una tarjeta de sonido, conecte el cable CD audio de 4 pines al conector de salida de audio analógica (*Analog Audio line out*) del lector de CD-ROM. Si no dispone de tarjeta de sonido, conecte los auriculares, altavoces o altavoces autoamplificados en la clavija (tipo *jack*) para auriculares localizada en el panel frontal del lector de CD-ROM. Configúre los controles de volumen de su unidad y de los altavoces al mínimo antes de iniciar o reiniciar su ordenador.
9. En caso de que hubiese extraído alguna unidad o cualquier otro elemento además de su lector de CD-ROM, emplácelos de nuevo en su anterior posición y fíjelos debidamente.
10. Inserte el lector de CD-ROM en la posición deseada y fíjelo con los tornillos entregados.
11. Coloque de nuevo la cubierta de su ordenador y fíjela con los tornillos retirados anteriormente.
12. Conecte de nuevo la fuente de alimentación.

II. Instalación del Software

1. Para DOS/Windows 3.x, inserte el disco de instalación para DOS/Win 3.x en las unidades A o B, teclee **A: install** (o **B: install**) y a continuación pulse [Enter], escoja la opción de sistema adecuada y siga las instrucciones en pantalla. Reinicie su ordenador una vez completada la instalación.
2. En Windows 9x o Windows NT, Windows detectará automáticamente la unidad y realizará los ajustes necesarios para el lector de CD-ROM, así como la instalación del driver necesario.
3. Para otros sistemas operativos, el lector de CD-ROM soporta la interfaz de drive ATAPI y su sistema operativo podrá cargar el driver adecuado para el lector de CD-ROM.



CD-ROM Drive

ATAPI / Enhanced IDE Interface

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